

Title (en)  
MONO OR MULTILAYER DEPOSITS ON A SUBSTRAT AND PROCESS FOR MAKING THEM

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Application  
**EP 91113464 A 19910812**

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DE 4026978 A 19900825

Abstract (en)  
[origin: EP0472990A2] A description is given of mono- or multilayer film elements which are deposited on substrates and which consist of a) a modified substrate having an even surface, the modification being understood as meaning the surface-wide deposition of ions or ionisable compounds having a charge of the same sign, and b) one or more films of organic materials containing charged ions of the same sign in every film, the ions of the first film having the opposite charge sign to the modification of the substrate and, in the case of a plurality of films, every further film having in turn the opposite charge sign to the preceding film. <??>Such film elements deposited on substrates are produced in such a way that the individual films are deposited from solutions of organic materials in suitable solvents on modified substrates by sequential physisorption (salt formation). <IMAGE>

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IPC 8 full level  
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Citation (search report)  
• [X] US 4539061 A 19850903 - SAGIV JACOB [IL]  
• [XP] DECHER G., JONG-DAL HONG: "BUILDUP OF ULTRATHIN MULTILAYER FILMS BY A SELF-ASSEMBLY PROCESS, 1 CONSECUTIVE ADSORPTION OF ANIONIC AND CATIONIC BIPOLAR AMPHIPHILES ON CHARGED SURFACES.", MAKROMOLEKULARE CHEMIE, MACROMOLECULAR SYMPOSIA., HUTHIG UND WEPF VERLAG. BASEL., CH, vol. 46., 1 June 1991 (1991-06-01), CH, pages 321 - 327., XP000233444

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